SEQUENCE LISTING

(1) GENERAL INFORMATION

(i) APPLICANT:

(ii) TITLE OF THE INVENTION: DETECTING GENETIC PREDISPOSITION
     TO SIGHT-THREATENING DIABETIC RETINOPATHY

(iii) NUMBER OF SEQUENCES: 10

(iv) CORRESPONDENCE ADDRESS:
  (A) ADDRESSEE: Jenkens & Gilchrist
  (B) STREET: 1100 Louisiana, Suite 1800
  (C) CITY: Houston
  (D) STATE: TX
  (E) COUNTRY: USA
  (F) ZIP: 77002

(v) COMPUTER READABLE FORM:
  (A) MEDIUM TYPE: Diskette
  (B) COMPUTER: IBM Compatible
  (C) OPERATING SYSTEM: DOS
  (D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:
  (A) APPLICATION NUMBER:
  (B) FILING DATE:
  (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
  (A) APPLICATION NUMBER: GB9621129.7
  (B) FILING DATE: 10-OCT-1996

(viii) ATTORNEY/AGENT INFORMATION:
  (A) NAME: Turley, Charles P
  (B) REGISTRATION NUMBER: 35,723
  (C) REFERENCE/DOCKET NUMBER: 33174.5

(ix) TELECOMMUNICATION INFORMATION:
  (A) TELEPHONE: (713)9513310

(B) TELEFAX: (713)9513314
(C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 27 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

AAGCTTGTTC TACCACCTGA ACTAGGC   27

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 20 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GTACCTTCCG AGTATACATT   20

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 20 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

TGGCATTGAT CTGGTTCATC   20

  (2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 20 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GTTTAGGAAT CTTCCCACTT   20

  (2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 17 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTCAGCAACA CTCCTAT   17

  (2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:
  (A) LENGTH: 17 base pairs
  (B) TYPE: nucleic acid
  (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TCCTGGTCTG CAGGTAA   17

   (2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:
   (A) LENGTH: 22 base pairs
   (B) TYPE: nucleic acid
   (C) STRANDEDNESS: single
   (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

TGTTCTACCA CCTGAACTAG GC   22

   (2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:
   (A) LENGTH: 20 base pairs
   (B) TYPE: nucleic acid
   (C) STRANDEDNESS: single
   (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTACATATGA GCCTTCCATG   20

   (2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:
   (A) LENGTH: 27 base pairs
   (B) TYPE: nucleic acid
   (C) STRANDEDNESS: single
   (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AAGCTTGTTC TACCACCTGA ACTAGGC   27

    (2) INFORMATION FOR SEQ ID NO:10:

    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 20 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: Other
    (ix) FEATURE:

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

TTACATATGA GCCTTCCATG   20